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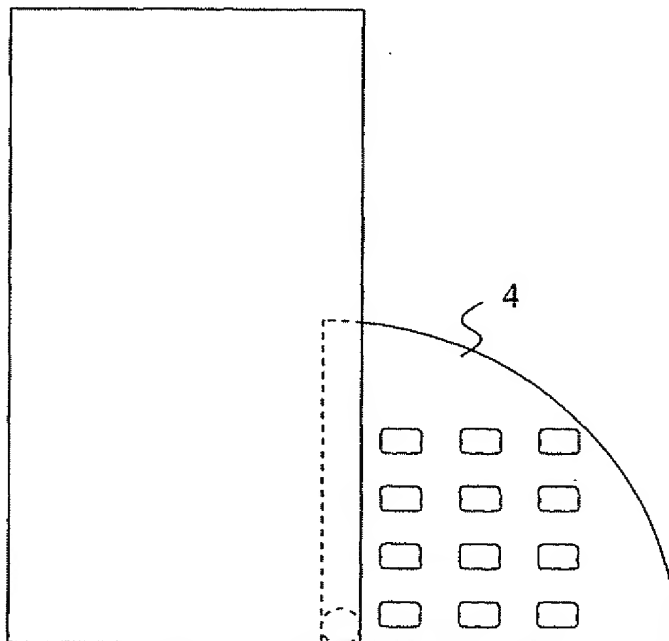
- (51) International Patent Classification<sup>7</sup>: **G06F 1/16**, H04M 1/02, G06F 3/02
- (21) International Application Number: PCT/EP2004/002370
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- (71) Applicant (for all designated States except US): **SONY ERICSSON MOBILE COMMUNICATIONS AB** [SE/SE]; S-221 88 Lund (SE).
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- (74) Agents: **LINDBERG, Olle** et al.; c/o Albihns Malmö AB, P.O. Box 4289, S-203 14 Malmö (SE).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
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**Declarations under Rule 4.17:**

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for all designations
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for all designations
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for all designations

[Continued on next page]

(54) Title: **EXTRACTABLE TERMINAL KEYPAD**



(57) Abstract: Terminal (1), comprising a terminal body (2), a data output interface including a display (6) disposed on a face of said terminal body, and a data input interface including a keypad (4), wherein said keypad is extractable from a storage space (8) inside said terminal body. Said terminal body has a front face supporting said display, and a back face opposite said front face, wherein said keypad is extractable from an aperture (7) disposed at a side of said terminal between said front face and said back face.

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/002370

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G06F1/16 H04M1/02 G06F3/02

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G06F H04M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, IBM-TDB

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 195 46 786 A (SCHMITZ HORST ;ENGLERT RAINER (DE)) 19 June 1997 (1997-06-19) column 6, line 10 - line 36; figures 5,8 -----	1-3
X	WO 00/54479 A (RENFER ROBERT O) 14 September 2000 (2000-09-14) abstract page 4, line 15 - page 6, line 30; figures 1A-1C	1-3,8,15
A	-----	10,12
X	US 2001/003450 A1 (HIETAMAKI JOUNI J ET AL) 14 June 2001 (2001-06-14) abstract page 2, paragraph 49 - page 3; figures 3,4 ----- -/-	1,3,8,15

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

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"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

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Date of the actual completion of the international search

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Name and mailing address of the ISA

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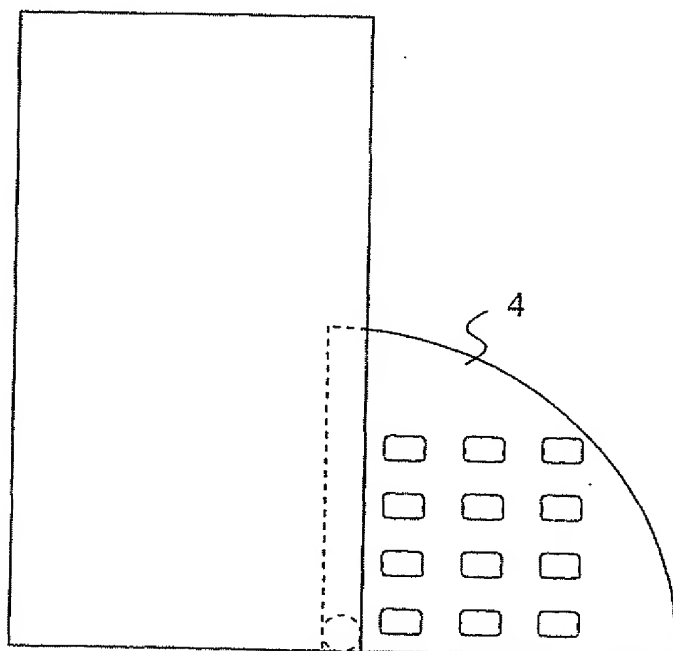
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Authorized officer

Schröter, P

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/EP2004/002370

## Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:  
1-3, 8-15

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/002370

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
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